(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

CORRECTED VERSION

(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 1 August 2002 (01.08.2002)

PCT

(10) International Publication Number WO 02/059676 A1

(51) International Patent Classification⁷: G02B 13/06, 27/10

(21) International Application Number: PCT/IL02/00074

(22) International Filing Date: 24 January 2002 (24.01.2002)

(25) Filing Language: English

(26) Publication Language: English

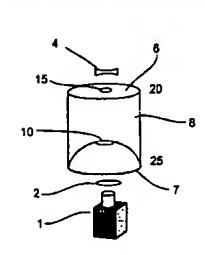
(30) Priority Data:
60/264,009 26 January 2001 (26.01.2001) US
60/276,933 20 March 2001 (20.03.2001) US
60/322,737 18 September 2001 (18.09.2001) US

(71) Applicant (for all designated States except US): WAVE-GROUP LTD. [IL/IIL]; 65 Yigal Alon Street, 67443 Tel Aviv (IL).

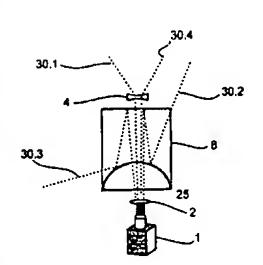
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): GAL, Ehud [IL/IL]; 3 HaGalil Street, 71908 Reut (IL). LITEYGA, Gennadiy [IL/IL]; 28/15 Ben Gurion Street, 78290 Ashkelon (IL). EYAL, Reuven [IL/IL]; 22 HaNesher Street, 47226 Ramat HaSharon (IL).
- (74) Agent: LUZATTO & LUZZATO; P.O. Box 5352, 84152 Beer-Sheva (IL).
- (81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD,

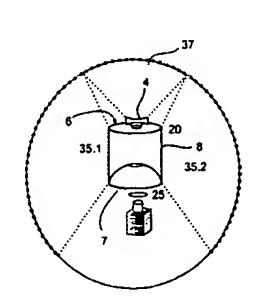
[Continued on next page]

(54) Title: SPHERICAL VIEW IMAGING APPARATUS AND METHOD



(57) Abstract: An imaging apparatus which comprises: an axisymmetric form comprising a transparent lateral surface, a first end (6) surface, and a second end (7) surface; a first lens positioned substantially perpendicular to and concentric with the axis of the axisymmetric form to the side of the first end surface; a second lens positioned substantially perpendicular to and concentric with the axis of the axisymmetric form, to the side of the second end surface; and an image acquiring device positioned substantially coaxially with the second lens and beyond the second lens with respect to the second end surface. The imaging apparatus is a spherical view (48) imaging apparatus.





WO 02/059676 A1

SE, SG, SI, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

(48) Date of publication of this corrected version:
20 November 2003

(15) Information about Correction:
see PCT Gazette No. 47/2003 of 20 November 2003, Section II

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.